

## MULTIPLE OUTPUT PROGRAMMABLE LINEAR D.C. POWER SUPPLY



The IPS-3303S/3303D contain the superior technology and high quality which GW Instek had established through its long history of power supply design and manufacturing. The IPS-3303S/3303D offers digital panel control, large display, bright LED indicators, high output resolution, 4 sets of setup memory, USB remote control and smart cooling fan control. Additionally, the IPS-3303S/3303D provide easy operation, a wide selection of panel settings and the most important for a reasonable price. All these features make the IPS-3303S/3303D the most promising new comer in the power supply market.

### High Resolution

With 1mV/1mA (For IPS-3303S Only) high resolution and coarse/fine volume control the IPS-3303S/3303D, guarantees clean and stable output. Using the IPS-3303S/3303D you can easily simulate the device under test's accurate behavior against small changes in voltage or current, which is impossible when using a low resolution power supply.

### Tracking Series and Parallel Function

Tracking series and parallel function allows you to use the IPS-3303S/3303D in wide range of applications. The tracking series mode guarantees higher output voltage, while the tracking parallel mode guarantees higher output current.

### Convenience Functions

The knobs are digitally controlled, allowing fine or coarse volume setting. The key lock feature locks panel operations, preventing accidental change of the settings which might lead damaging for the equipments.

### 4 Sets of Save / Recall

The IPS-3303S/3303D can save and recall panel settings, these feature which can not offered by general power supplies. You can quickly select a panel setting from four memory sets without manual configuration.

### USB Remote Control

The USB device port in the IPS-3303S/3303D allows you to remotely control the power supply according to your application needs.

## IPS-3303S/3303D

### FEATURES

- Three Independent Output : 30V/3A x 2, (2.5V/3.3V/5V)/3A x 1 (Fixed)
- 4 LED Display Sets :  
3 Digits After Decimal Point
- Minimum Resolution :  
1mV/1mA (IPS-3303S)  
100mV/10mA (IPS-3303D)
- Digital Panel Control (Rotary Encoder Switch, Rubber Key With Indicator)
- User-Friendly Operation, Coarse/Fine Volume Control
- 4 sets Save/Recall
- Key-Lock
- Warning Buzzer
- Output ON/OFF
- Tracking Series and Parallel Mode
- Smart Cooling Fan Achieving Low Noise
- Compact Design



### FUNCTION FEATURES

1. Bright LED display shows settings or actual level of output
2. The independent CH3 output offers three commonly used voltage settings
3. C.V./C.C. modes are clearly indicated in different colors
4. Smart cooling fan control offers a well-balanced cooling mechanism, ensuring quiet operation
5. The tracking series and parallel mode can be selected with a single touch
6. Indicators embedded in the keys provide an instant view of the power supply status; the Key Lock feature prevents improper operation

### APPLICATIONS

- Laboratories and Educational Facilities
- Product Testing and Quality Assurance
- Service Operation and Post-Sales Support
- Product Development and Debugging

IPS-3303S/3303D

**ISO-TECH**

## SPECIFICATIONS

		IPS-3303S	IPS-3303D
OUTPUT	Voltage Current	0~30.0V x 2 , 2.5V/3.3V/5.0V x 1 0~3.0A x 2 , 3.0A (Fixed)	
CONSTANT VOLTAGE OPERATION	Regulation  Ripple & Noise Recovery Time Temp.Coefficient Output Range	Line regulation ≤ 0.01%+3mV Load regulation ≤ 0.01%+3mV(rating current≤ 3A) ≤ 0.02%+5mV(rating current >3A) ≤ 1mVrms (5Hz~1MHz) ≤100 μ S (50%Load change, Minimum load 0.5A) ≤300ppm / °C 0 to rating voltage continuously adjustable	
CONSTANT CURRENT OPERATION	Regulation  Ripple Current Output Range	Line regulation≤ 0.2%+3mA Load regulation≤ 0.2%+3mA ≤3mA rms 0 to rating current continuously adjustable	
TRACKING OPERATION	Regulation of PAR.  Regulation of SER.  Tracking error	Line regulation ≤ 0.01%+3mV Load regulation≤ 0.01%+3mV (rating current≤3A) ≤ 0.02%+5mV (rating current >3A) Line regulation ≤ 0.01%+5mV Load regulation≤ 300mV Tracking error ≤ 0.5%±10mV (10 ~ 30V no load) with load added≤ 300mV) ≤ 0.5%±30mV (0 ~ 9.99V no load) with load added≤ 300mV)	
METER	Display  Resolution  Program accuracy(25±5℃ )  Readback accuracy(25±5℃ )	Voltage : 4 3/4 digits 0.4" LED Display Current : 3 3/4 digits 0.4" LED Display Voltage : 1mV Current : 1mA Voltage : ±(0.03% of RDG +10 digits) Current : ±(0.3% of RDG +10 digits) Voltage : ±(0.03% of RDG +10 digits) Current : ±(0.3% of RDG +10 digits)	Voltage : 2 3/4 digits 0.4" LED Display Current : 2 3/4 digits 0.4" LED Display Voltage : 100mV Current : 10mA Voltage : ±(0.5% of RDG +2 digits) Current : ±(0.5% of RDG +2 digits) Voltage : ±(0.5% of RDG +2 digits) Current : ±(0.5% of RDG +2 digits)
CH3 SPECIFICATIONS	Output Voltage Output Current Regulation(25±5℃ )  Repple & Noise	(2.5V/3.3V/5V)±8% 3A Line regulation ≤5mV Load regulation≤15mV ≤2mVrms	
KEY LOCK	Yes		
MEMERY SAVE/RECALL	4 sets		
POWER SOURCE	AC100V/120V/220V/230V±10%, 50/60Hz		
DIMENSION & WEIGHT	210(W) x 130 (H) x 265 (D) mm ; Approx. 7kg		

Specifications subject to change without notice.

## ORDERING INFORMATION

**IPS-3303S** Multiple Output High Resolution Programmable Linear D.C. Power Supply  
**IPS-3303D** Multiple Output Programmable Linear D.C. Power Supply

### ACCESSORIES :

User Manual x1

Power cord x1

Testlead GTL-104 x2, GTL-105 x1

European Test Lead GTL-203 x 1 , GTL-204 x 2

### Optional Accessories

**GTL-246** USB Cable

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P. O. Box 99  
 Corby  
 Northants NN17 9RS  
 England  
 Tel: +44(0) 1536 201234